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CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

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COUNTRY USSR (Estonia)

SUBJECT Communication Apparatus Used by Soviet Armed Forces

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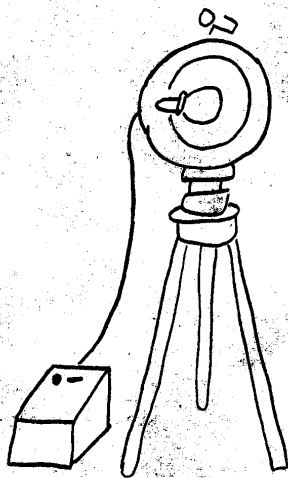
SUPP. TO
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1. "The light signalling apparatus SP-95 is used in communication battalions (SD) as an additional means of communication at close quarters. It can give various signals under conditions of average visibility:
by day - up to 2.5 km
by night - up to 8 km



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2. "The SP-95 consists of the following parts:
 - a. An electric lantern in a metal box. A special reflecting mirror with a diameter of 95 mm is attached to its back wall. A three-watt electric bulb (0 volts, current 0.38 amp) is fixed in the focus of the reflecting mirror.
 - b. A tripod
 - c. A cord connecting the lamp with a battery.
 - d. A battery box with eight dry elements and a signalling key. The feeding source of the dry element is 126 volts.
3. "A stronger signalling apparatus, SP-250 (diameter of reflection 250 mm) is used by the communication battalions for communications over longer distances. This apparatus can transmit various signals under conditions of average visibility:
 - by day - up to 20 km
 - by night - up to 70 km
4. "The construction of SP-250 is the same as that of SP-95. A special parabolic reflector with a diameter of 250 mm and a focal distance of 110 mm is built into the back wall of the lantern box. The electric bulb used in this case is of 7.5 watts and its tension is four volts.
5. Both apparatus have several light filters. One of them is a 'red light filter' which allows only a 'red ray' to issue. This ray is invisible to the naked eye in daylight. It can be seen only through binoculars provided with the same type of red filter."

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